

## M 5.5, 20 km NW of Trancas, Argentina

Origin Time: 2022-01-10 08:36:02 UTC (Mon 05:36:02 local)

Location: 26.0926° S 65.4096° W Depth: 10.0 km

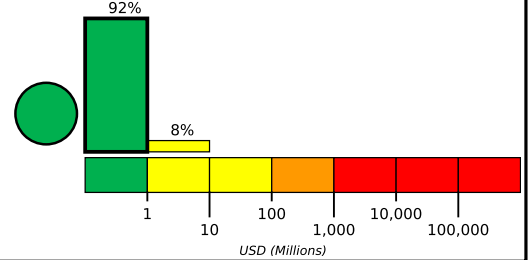
Created: 1 day, 0 hours after earthquake

### Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

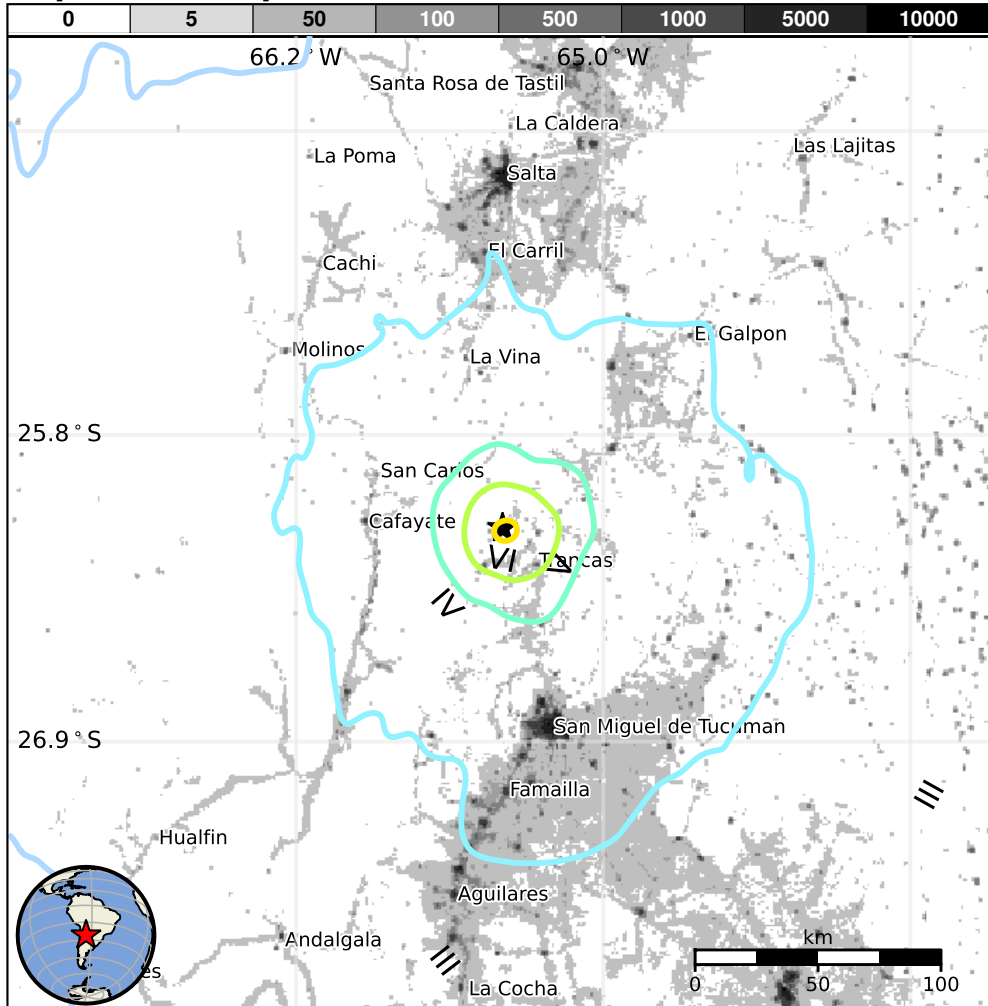


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	1,962k*	1,514k	84k	12k	1k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block with concrete bond beam and unreinforced brick with concrete floor construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-05-28	343	6.0	VI(9k)	0
1973-11-19	189	5.9	VII(9k)	—
2004-09-07	277	6.1	VIII(13k)	1

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	<b>Trancas</b>	<b>7k</b>
V	La Candelaria	<1k
IV	<b>San Miguel de Tucuman</b>	<b>781k</b>
IV	Banda del Rio Sali	<1k
IV	Tafi Viejo	48k
IV	Yerba Buena	51k
IV	Alderetes	38k
IV	<b>Famailla</b>	<b>31k</b>
III	<b>Aguilares</b>	<b>32k</b>
III	<b>Salta</b>	<b>513k</b>
III	Santiago del Estero	355k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gai4#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000gai4